



Indiana State Department of Health

Weekly Influenza Report

Week 41

Report Date: Friday, October 23, 2015

The purpose of this report is to describe the spread and prevalence of influenza-like illness (ILI) in Indiana. It is meant to provide local health departments, hospital administrators, health professionals and residents with a general understanding of the burden of ILI. Data from several surveillance programs are analyzed to produce this report. Data are provisional and may change as additional information is received, reviewed and verified. For questions regarding the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

WEEKLY OVERVIEW

| Influenza-like Illness - Week Ending October 17, 2015 | |
|--|-------------|
| ILI Geographic Distribution | No Activity |
| ILI Activity Code | Minimal |
| Percent of ILI reported by sentinel outpatient providers | 0.89% |
| Percent of ILI reported by emergency department chiefs | 1.06% |
| Percent positivity of influenza specimens tested at ISDH | 0.00% |
| Number of influenza-associated deaths | 0 |
| Number of long-term care facility outbreaks | 0 |
| Number of school-wide outbreaks | 0 |



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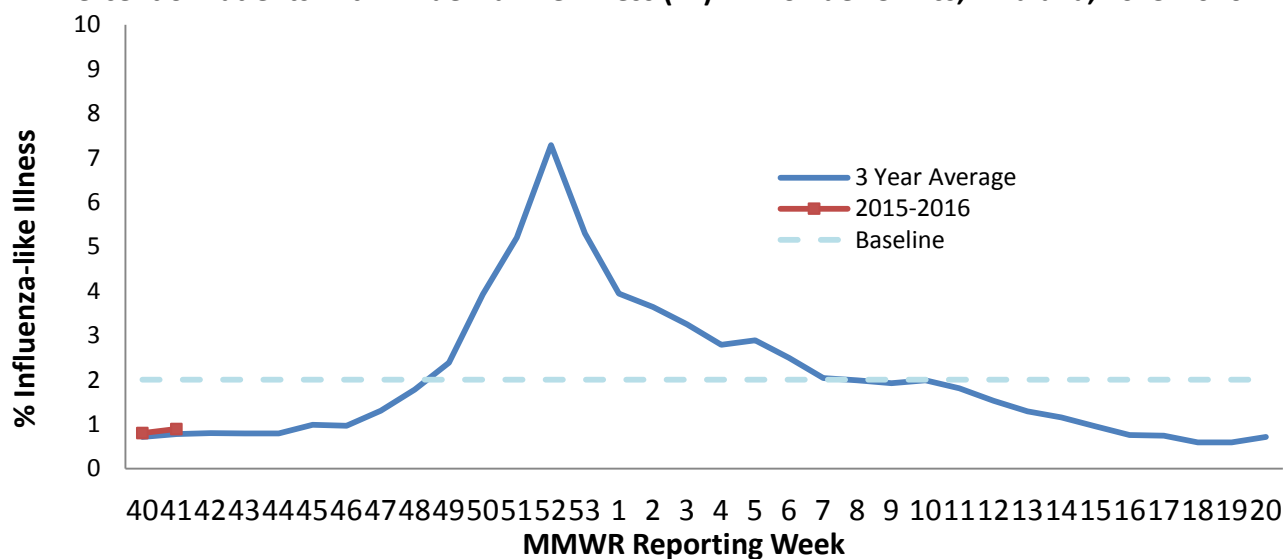
SENTINEL SURVEILLANCE SYSTEM

Data are obtained from sentinel outpatient providers participating in the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet). Data are reported on a weekly basis for the previous Morbidity and Mortality Weekly Report (MMWR) Week by the sentinel sites and are subject to change as sites back-report or update previously submitted weekly data.

| Percent of ILI Reported by Type of Sentinel Outpatient Facility, Indiana, 2015-2016 Season | | | |
|--|------------------------|-----------------------|---------------------------|
| MMWR Week | All Reporters %ILI (n) | Universities %ILI (n) | Non-Universities %ILI (n) |
| 40 | 0.80% (24) | 0.18(9) | 1.18 (15) |
| 41 | 0.89 (21) | 0.26 (8) | 1.24 (13) |
| | | | |

| Percent of ILI Reported by Age Category in Sentinel Outpatient Facilities, Indiana, 2015-2016 Season | | |
|--|---------------------|----------------|
| Age Category, years | Total Number of ILI | Percent of ILI |
| 0-4 | 21 | 44.68% |
| 5-24 | 24 | 51.06 |
| 25-49 | 0 | 0.00 |
| 50-64 | 0 | 0.00 |
| 65+ | 2 | 4.26 |
| Total | 47 | -- |

Percent of Patients with Influenza-like Illness (ILI) in Provider Clinics,* Indiana, 2015-2016



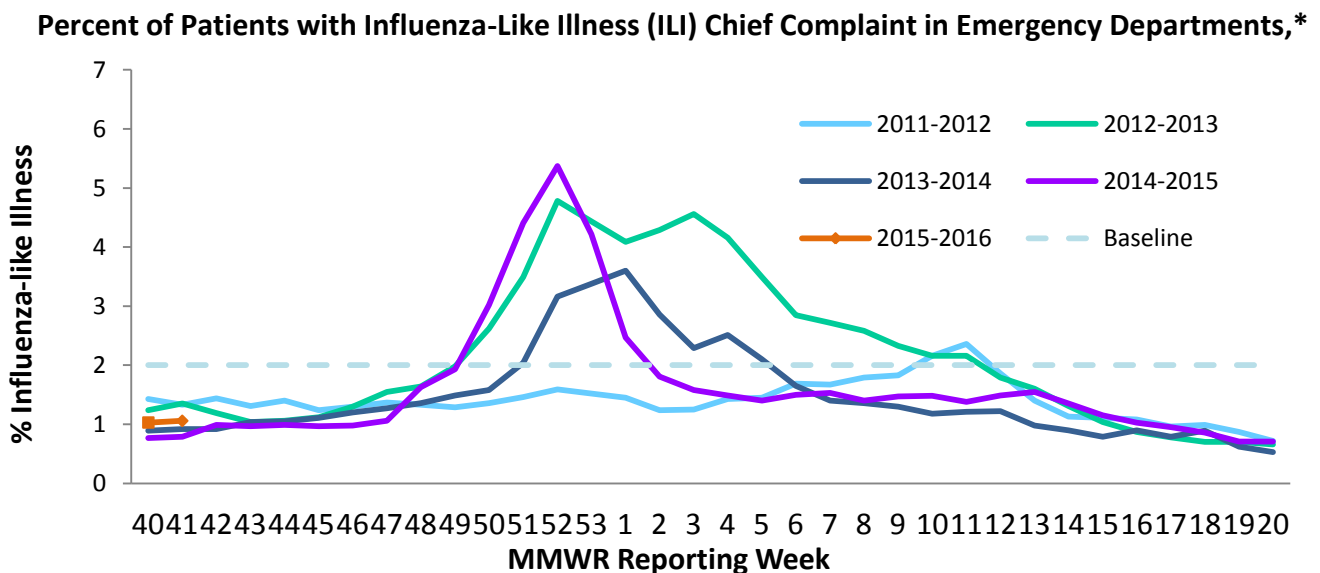


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SYNDROMIC SURVEILLANCE SYSTEM

Data are obtained from hospital emergency department chief complaint data through the Indiana Public Health Emergency Surveillance System (PHESS). Data are reported on a weekly basis for the previous Morbidity and Mortality Weekly Report (MMWR) Week and are subject to change as hospitals back-report or update previously submitted weekly data.

| Percent of ILI Reported in Emergency Departments by District, Indiana, 2015-2016 Season | | |
|---|--------------------|-------------------|
| | Previous MMWR Week | Current MMWR Week |
| Indiana | 1.03% | 1.06% |
| District 1 | 1.05 | 0.86 |
| District 2 | 1.07 | 1.29 |
| District 3 | 0.62 | 0.67 |
| District 4 | 1.53 | 1.83 |
| District 5 | 0.93 | 0.90 |
| District 6 | 1.11 | 1.50 |
| District 7 | 0.97 | 0.79 |
| District 8 | 0.85 | 0.55 |
| District 9 | 1.49 | 1.58 |
| District 10 | 1.12 | 1.07 |





Data are obtained from the Indiana National Electronic Disease Surveillance System (I-NEDSS). Influenza-associated deaths are reportable within 72 hours of knowledge; however, not all cases are reported in a timely manner so data in this report as subject to change as additional cases are back-reported.

[illegible]



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VIROLOGIC SURVEILLANCE

| Circulating Influenza Viruses Detected by ISDH Laboratory*, Indiana, 2015-2016 Season | | | | |
|---|----------|-------------------------------|--------------|-------------------------------|
| PCR Result | Week 41 | | Season Total | |
| | Number | Percent of Specimens Received | Number | Percent of Specimens Received |
| 2009 A/H1N1pdm virus | 0 | 0% | 0 | 0% |
| Influenza A/H3 seasonal virus | 0 | 0% | 0 | 0% |
| Influenza A/H1 seasonal virus | 0 | 0% | 0 | 0% |
| Influenza B seasonal virus | 0 | 0% | 0 | 0% |
| Influenza negative | 5 | 83.3% | 13 | 81.3% |
| Inconclusive | 0 | 0% | 0 | 0% |
| Unsatisfactory specimen [†] | 1 | 16.7% | 3 | 18.7% |
| Influenza Co-infection ^Δ | 0 | 0% | 0 | 0% |
| Total | 6 | 100% | 16 | 100% |

* Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System and IN Sentinel Laboratories.

[†] Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

^Δ All previous-year co-infections have been influenza A/H3 and influenza B.

| Circulating Non-Influenza Viruses Detected by the ISDH Laboratory, Indiana, 2015-2016 Season | | | |
|--|----------|---------------------------------|--|
| Result | Week 41 | Season Total (Since 10/1/15) | Early Surveillance (9/1/15 - 9/30/15) |
| Adenovirus | 0 | 0 | 0 |
| Coronavirus 229E | 0 | 0 | 0 |
| Coronavirus HKU1 | 0 | 0 | 0 |
| Coronavirus NL63 | 0 | 0 | 0 |
| Coronavirus OC43 | 0 | 0 | 0 |
| Enterovirus NOS | 0 | 0 | 0 |
| Enterovirus/Rhinovirus¹ | 0 | 1 | 1 |
| Human Metapneumovirus | 0 | 0 | 0 |
| Parainfluenza 1 Virus | 0 | 0 | 1 |
| Parainfluenza 2 Virus | 0 | 0 | 0 |
| Parainfluenza 3 Virus | 0 | 0 | 0 |
| Parainfluenza 4 Virus | 0 | 1 | 0 |
| Rhinovirus | 0 | 0 | 0 |
| Respiratory Syncytial Virus | 0 | 0 | 0 |
| Total | 0 | 2 | 2 |



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